

1631

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/374,702A

DATE: 10/23/2000
 TIME: 14:43:03

Input Set : A:\238186.SEQ.txt
 Output Set: N:\CRF3\10232000\I374702A.raw

4 <110> APPLICANT: Peter B. Dervan
 5 Eldon J. Baird
 7 <120> TITLE OF INVENTION: STEREOCHEMICAL CONTROL OF THE DNA
 8 BINDING AFFINITY, SEQUENCE SPECIFICITY, AND
 9 ORIENTATION-PREFERENCE OF CHIRAL HAIRPIN POLYAMIDES IN THE
 10 MINOR GROOVE
 12 <130> FILE REFERENCE: 238/186
 14 <140> CURRENT APPLICATION NUMBER: 09/374,702A
 15 <141> CURRENT FILING DATE: 1999-08-12
 17 <150> PRIOR APPLICATION NUMBER: PCT/US97/03332
 18 <151> PRIOR FILING DATE: 1997-02-20
 20 <150> PRIOR APPLICATION NUMBER: 08/853,522
 21 <151> PRIOR FILING DATE: 1997-05-08
 23 <150> PRIOR APPLICATION NUMBER: PCT/US97/12722
 24 <151> PRIOR FILING DATE: 1997-07-21
 26 <150> PRIOR APPLICATION NUMBER: 08/837,524
 27 <151> PRIOR FILING DATE: 1997-04-21
 29 <150> PRIOR APPLICATION NUMBER: 08/607,078
 30 <151> PRIOR FILING DATE: 1996-02-26
 32 <150> PRIOR APPLICATION NUMBER: 60/042,022
 33 <151> PRIOR FILING DATE: 1997-04-16
 35 <150> PRIOR APPLICATION NUMBER: 60/043,444
 36 <151> PRIOR FILING DATE: 1998-04-08
 38 <160> NUMBER OF SEQ ID NOS: 36
 40 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 42 <210> SEQ ID NO: 1
 43 <211> LENGTH: 11
 44 <212> TYPE: DNA
 45 <213> ORGANISM: Artificial Sequence
 47 <220> FEATURE:
 48 <223> OTHER INFORMATION: Polyamide Target
 50 <400> SEQUENCE: 1
 51 tggtattgtt a 11
 53 <210> SEQ ID NO: 2
 54 <211> LENGTH: 11
 55 <212> TYPE: DNA
 56 <213> ORGANISM: Artificial Sequence
 58 <220> FEATURE:
 59 <223> OTHER INFORMATION: Polyamide Target
 61 <400> SEQUENCE: 2 11
 62 tgtcattgtc a
 64 <210> SEQ ID NO: 3
 65 <211> LENGTH: 10
 66 <212> TYPE: DNA
 67 <213> ORGANISM: Artificial Sequence
 69 <220> FEATURE:
 70 <223> OTHER INFORMATION: Polyamide Target

ENTERED

RECEIVED

OCT 30 2000

TECH CENTER 1600/2900

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/374,702A
 DATE: 10/23/2000
 TIME: 14:43:03

Input Set : A:\238186.SEQ.txt
 Output Set: N:\CRF3\10232000\I374702A.raw

```

72 <400> SEQUENCE: 3
73 tgttatgtta
75 <210> SEQ ID NO: 4
76 <211> LENGTH: 22
77 <212> TYPE: DNA
78 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Polyamide Target
83 <400> SEQUENCE: 4
84 tgttatatgt tatgtcatgt ca
86 <210> SEQ ID NO: 5
87 <211> LENGTH: 12
88 <212> TYPE: DNA
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Polyamide Target
94 <400> SEQUENCE: 5
95 tgtcatatgt ca
97 <210> SEQ ID NO: 6
98 <211> LENGTH: 11
99 <212> TYPE: DNA
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Polyamide Target
105 <400> SEQUENCE: 6
106 taacaataac a
108 <210> SEQ ID NO: 7
109 <211> LENGTH: 11
110 <212> TYPE: DNA
111 <213> ORGANISM: Artificial Sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Polyamide Target
116 <400> SEQUENCE: 7
117 tgttatgtta g
119 <210> SEQ ID NO: 8
120 <211> LENGTH: 11
121 <212> TYPE: DNA
122 <213> ORGANISM: Artificial Sequence
124 <220> FEATURE:
125 <223> OTHER INFORMATION: Polyamide Target
127 <400> SEQUENCE: 8
128 ctaacataac a
130 <210> SEQ ID NO: 9
131 <211> LENGTH: 11
132 <212> TYPE: DNA
133 <213> ORGANISM: Artificial Sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Polyamide Target
138 <400> SEQUENCE: 9

```

10

22

12

11

11

11

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/374,702A
DATE: 10/23/2000
TIME: 14:43:03

Input Set : A:\238186.SEQ.txt
Output Set: N:\CRF3\10232000\I374702A.raw

```
139 tgttatatgt t 11
141 <210> SEQ ID NO: 10
142 <211> LENGTH: 11
143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Polyamide Target
149 <400> SEQUENCE: 10
150 aacatataac a 11
152 <210> SEQ ID NO: 11
153 <211> LENGTH: 11
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Polyamide Target
160 <400> SEQUENCE: 11
161 tgacaatgac a 11
163 <210> SEQ ID NO: 12
164 <211> LENGTH: 11
165 <212> TYPE: DNA
166 <213> ORGANISM: Artificial Sequence
168 <220> FEATURE:
169 <223> OTHER INFORMATION: Polyamide Target
171 <400> SEQUENCE: 12
172 tgtcattgtc a 11
174 <210> SEQ ID NO: 13
175 <211> LENGTH: 11
176 <212> TYPE: DNA
177 <213> ORGANISM: Artificial Sequence
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Polyamide Target
182 <400> SEQUENCE: 13
183 tgtttcctgt g 11
185 <210> SEQ ID NO: 14
186 <211> LENGTH: 11
187 <212> TYPE: DNA
188 <213> ORGANISM: Artificial Sequence
190 <220> FEATURE:
191 <223> OTHER INFORMATION: Polyamide Target
193 <400> SEQUENCE: 14
194 cacaggaaac a 11
196 <210> SEQ ID NO: 15
197 <211> LENGTH: 11
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial Sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: Polyamide Target
204 <400> SEQUENCE: 15
205 tgattacgcc a 11
```

RECEIVED

OCT 30 2000

TECH CENTER 1600/2900

RAW SEQUENCE LISTING

DATE: 10/23/2000

PATENT APPLICATION: US/09/374,702A

TIME: 14:43:03

Input Set : A:\238186.SEQ.txt

Output Set: N:\CRF3\10232000\I374702A.raw

```

207 <210> SEQ ID NO: 16
208 <211> LENGTH: 11
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence
212 <220> FEATURE:
213 <223> OTHER INFORMATION: Polyamide Target
215 <400> SEQUENCE: 16
216 tggcgtaatc a 11
218 <210> SEQ ID NO: 17
219 <211> LENGTH: 10
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial Sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Polyamide Target
226 <400> SEQUENCE: 17
227 taacatgtca 10
229 <210> SEQ ID NO: 18
230 <211> LENGTH: 10
231 <212> TYPE: DNA
232 <213> ORGANISM: Artificial Sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Polyamide Target
237 <400> SEQUENCE: 18
238 taacaaatgt 10
240 <210> SEQ ID NO: 19
241 <211> LENGTH: 47
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Sequence containing Polyamide Target
248 <400> SEQUENCE: 19
249 ggatcctcta gactcgacat gacattcgtc cacattgtta gaccacg 47
251 <210> SEQ ID NO: 20
252 <211> LENGTH: 47
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Sequence containing Polyamide Target
259 <400> SEQUENCE: 20
260 cgtggtctaa caatgtggac gaatgtcatg tcgactctag aggatcc 47
262 <210> SEQ ID NO: 21
263 <211> LENGTH: 19
264 <212> TYPE: DNA
265 <213> ORGANISM: Artificial Sequence
267 <220> FEATURE:
268 <223> OTHER INFORMATION: Polyamide Target
270 <400> SEQUENCE: 21
271 tccacattgt tagaccacg 19
273 <210> SEQ ID NO: 22

```

DATE: 10/23/2000

TIME: 14:43:03

Input Set : A:\238186.SEQ.txt

Output Set: N:\CRF3\10232000\I374702A.raw

```

274 <211> LENGTH: 19
275 <212> TYPE: DNA
276 <213> ORGANISM: Artificial Sequence
278 <220> FEATURE:
279 <223> OTHER INFORMATION: Polyamide Target
281 <400> SEQUENCE: 22
282 cgtggtctaa caatgtgga
284 <210> SEQ ID NO: 23
285 <211> LENGTH: 19
286 <212> TYPE: DNA
287 <213> ORGANISM: Artificial Sequence
289 <220> FEATURE:
290 <223> OTHER INFORMATION: Polyamide Target
292 <400> SEQUENCE: 23
293 cgacatgaca ttctgccac
295 <210> SEQ ID NO: 24
296 <211> LENGTH: 19
297 <212> TYPE: DNA
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: Polyamide Target
303 <400> SEQUENCE: 24
304 gtcgacgaat gtcattgctg
306 <210> SEQ ID NO: 25
307 <211> LENGTH: 11
308 <212> TYPE: DNA
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: Polyamide Target
314 <400> SEQUENCE: 25
315 tgttattgtt a
317 <210> SEQ ID NO: 26
318 <211> LENGTH: 11
319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: Polyamide Target
325 <400> SEQUENCE: 26
326 taacaataac a
328 <210> SEQ ID NO: 27
329 <211> LENGTH: 22
330 <212> TYPE: DNA
331 <213> ORGANISM: Artificial Sequence
333 <220> FEATURE:
334 <223> OTHER INFORMATION: Polyamide Target
336 <400> SEQUENCE: 27
337 tgacaatgac ataacaataa ca
339 <210> SEQ ID NO: 28
340 <211> LENGTH: 22

```

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/374,702A

DATE: 10/23/2000

TIME: 14:43:04

Input Set : A:\238186.SEQ.txt

Output Set: N:\CRF3\10232000\I374702A.raw